Print date: 06/05/2002

(Absence of an entry indicates that the data were not estimated.)

Map symbol	 Depth	 USDA texture	Classi	fication	1	ments		ercentac sieve r		 Liquid		
and soil name	 		 Unified	 AASHTO	>10 inches	3-10 inches	l	l 10	1 40	200	limit	ticity
j	İ		1	_i	1		i	i	i	i	i	
	In		I	1	Pct	Pct	<u> </u>	1	1	1	Pct	1
BrF:	 	1	 	1	1	 	 	I I	I		1	1
Berks	0-4		GC, GM, SC,	A-2, A-4	0-6	15-30 	 40-80 	35-70	30-60	25-45	25-36	5-10
		Channery loam, very channery loam, channery silt loam	SM	A-1, A-2, A-4	0 	0-30 	40-80 	35-70 	25-60 	20-45 	25-36 	5-10
		Channery loam, very channery loam, channery silt loam	ĺ	A-1, A-2 	0 	0-40 	35-65 	25-55 	20-40 	15-35 	24-38 	2-10
		Weathered bedrock		i I	i	 	 	 	 	i	0-14	
Rock Outcrop	0-60	Bedrock	 				 				0-14	
CeB:		1	I		1		l		1		1	
Cedarcreek 	2-65 	1		A-2, A-4, A-6 A-2, A-4							25-35 25-35 	
Wet Minesoil												
CrF:							 					
Cedarcreek	2-65 I	•	 	A-2, A-4, A-6 A-2, A-4							25-35 25-35 	
Other Soils												
Rock Outcrop	0-60	 Bedrock	 				 				0-14	

Table H.--Engineering Index Properties--Continued

		USDA texture	Classif	fication	Fragi	ments		rcentag		1		
Map symbol	Depth 				<u> </u>		:	sieve n	Liquid			
and soil name			 Unified		>10 inches	3-10 inches	 4	10	40	200	limit	ticity index
	 In	 	 	- 	 Pct	 Pct	 	 		 	Pct	
								ļ.				
Cv: Chavies	I I 0-6	I T.oam	 CL-ML, ML,	 A-4	I I 0	1 0	 85-100	 75=100	140-90	1 140-75	1 0-25	 NP=5
CHAVICS	0 0		SC-SM, SM		l 0		100 100	/3 ±00	140 20	70 75	1 0 23	
		Fine sandy loam, silt loam, loam	ML, SM 	A-4 	0	0 	85-100 	75-100 	65-100 	45-85 	0-35	NP-8
	 	Fine sandy loam, gravelly fine sandy loam, loam		A-1-b, A-2, A-4	 	0-5 	70-100 	60-95 	40-85 	20-75 	0-25 	NP-5
Holly	 		 		 		 	 				
GlE:	 		 		 	 	 	 	 	 	1	
Gilpin	0-4	Silt loam	CL, CL-ML	A-4, A-6		0-5	80-95	75-90	70-85	65-80	20-40	4-15
		Channery loam, channery silt loam, silty clay loam		A-2, A-4, A-6	 	0-30 	50-95 	45-90 	35-85 	30-80	20-40	4-15
	32-38	Channery loam, Channery loam, very channery silt loam, very channery silty clay loam	 	A-1, A-2, A- 4, A-6 	 	0-35 	 25-55 	 20-50 	15-45 	 15-40 	20-40	4-15
	38-42	Unweathered bedrock	 		 		 	 		 		
Lily	5-19	Clay loam, sandy clay	CL-ML, ML CL, ML, SC, SM		 						0-35	
	19-39 	Sandy clay loam, clay loam, gravelly sandy clay	CL, ML, SC,	A-1-b, A-2, A-4, A-6	 	0-10	 65-100 	 50-100 	40-95 	20-75 	0-35	3-15
	39-43	loam Unweathered bedrock	 		 		 	 		 		
Other Soils	 	 	 		 	 	 	 	 	 		

Table H.--Engineering Index Properties--Continued

		 USDA texture 	Classi	ficatio	n	Ī	Fragi	ments	l Pe	rcentag				
Map symbol and soil name	Depth 					-	>10	3-10	 	sieve n	Liquid	Plas- ticity		
and SOII mame			 Unified 	AA	SHTO			inches	 4	10	40	200		index
	In	<u> </u>		_ <u> </u>		į	Pct	Pct		İ	į	İ	Pct	i
ItF:	 		 					 	 	1		1	1	
Itmann	•	Extremely channery sandy loam	GC-GM, GM 	A-1, 	A-2			0-10 	40-55 	35-50 	25-45 	15-35 	15-25 	NP-7
	 	Very channery sandy loam, very channery loam, extremely channery sandy loam	 	A-1, 	A-2			0-15 	30-55 	25-50 	20-45 	10-35 	15-25 	NP-7
KaB: Kaymine					2 4 2						1			
Kaymine	4-65 	•	 										25-35 25-35 	
Wet Minesoil	 		 			į				i		i		
KcF:	' 			i		i		' 	i I	i	i	i	İ	İ
Kaymine	4-65 	•	 										25-35 25-35 	
Cedarcreek	2-65 	'	 	A-2, A-4, 	A-4, A A-2	1-6 							25-35 25-35 	

Table H.--Engineering Index Properties--Continued

Map symbol	 Depth	 USDA texture	Classif 	ication		i	ments		rcentag sieve n	ng	 Liquid		
and soil name	 		 Unified	AASH	НТО	>10 inches	3-10 inches		10	40	200	limit	ticity index
	 In	<u> </u>	I	_		 Pct	l Pct		l	 	l	 Pct	
İ		i	İ	i					İ	j	i	İ	i
Dekalb	0−5 		CL-ML, GM, ML, SM	A-1, A-	-2, A-4	0-6 	10-30 	50-90 	45-80 	40-75 	20-55 	10-32 	NP-10
		Channery sandy loam, channery loam, very channery sandy loam	ML, SM	A-1, A-	-2, A-4	0 	5-40 	50-85 	40-75 	40-75 	20-55 	15-32 	NP-9
		Channery sandy	 GC, GM, SC, SM 	A-1, A-	-2, A-4	0-1 	10-50 	45-85 	25-75 	20-65 	15-40 	15-32	NP-9
	30-34	Unweathered bedrock	 			 	 	 	 				
Other Soils	 		 			 	 	 	 				
KrF:			1	ì		! 	! 	! 	İ	İ	i i	İ	'
Kaymine	4-65 	•	GC 	A-2, A- A-2, A- 								25-35 25-35 	
Other Soils		i											
Rock Outcrop	 0-60 	Bedrock	 	 		 	 	 	 	 	 	0-14	
Lily	5 - 19	Clay loam, sandy clay	 CL-ML, ML CL, ML, SC, SM	 A-4 A-4, A-	-6	 		•		 70-95 75-100 		 0-35 0-35	 NP-10 3-15
	19-39 		 CL, ML, SC, SM 	A-1-b, A-4, A	-	 	0-10 	 65-100 	 50-100 	 40-95 	 20-75 	0-35	 3-15
		loam Unweathered bedrock	 	 		 	 	 	 	 	 		

Table H.--Engineering Index Properties--Continued

Map symbol	 Depth 	 USDA texture 	Classif	icati	on		Fragr	ments		rcentag sieve n	_	 Limid	 Plas-	
and soil name			I				>10	3-10	 	Sieve II		ticity		
and Soff name			Unified	A	ASHTO		inches		4	10	40	200		index
	In		'	¦	' <u></u> '.		Pct	Pct	¦	<u> </u>	¦	i	Pct	
PP =			<u> </u>									1	1	
PBF:		1.7			- 4			115 00		150 05	1 4 5 0 0	100 75	105.05	4 10
Pineville		İ	CL-ML, ML, SC-SM, SM						İ	İ	İ	İ	25-35 	
	 	Channery loam, channery clay loam, very channery loam	SC, SC-SM 	A-2,	A-4,	A-6	 -	0-10 	55-85 	50-80 	45-75 	30-65 	25-40 	6-15
	 	Very channery loam, very channery clay loam, very channery sandy loam	GM, SC 			A-	 	5-20 	35-75 	30-70 	25-65 	20-60 	25-35 	4-12
Berks	0-4		GC, GM, SC, SM	A-2,	A-4		0-6	 15-30	40-80	35-70	30-60	25-45	25-36	 5-10
	 	Channery loam, very channery loam, channery silt loam	GC, GM, SC, SM	A-1, 	A-2,	A-4	0	0-30 	40-80 	35-70	25-60	20-45	25-36 	5-10
	17-25 	Channery loam, very channery loam, channery silt loam		A-1, 	A-2		0	0-40	 35-65 	25-55	20-40	15-35	24-38	2-10
	25-29	Weathered bedrock	 					 	 				0-14	
Other Soils														
PlE:	l I	1	l I					 	 			1	1	
Pineville	0-5		CL-ML, ML, SC-SM, SM	A-2,	A-4			3-15	55-90	50-85	45-80	30-75	25-35	4-10
	 	Channery loam, channery clay loam, very channery loam	CL, CL-ML, SC, SC-SM	A-2,	A-4,	A-6		0-10 	 55-85 	50-80	45-75 	30-65	25-40	 6-15
	45-65 	Very channery	GC-GM, GM, SC, SC-SM 			A-	 	5-20 	35-75 	30-70 	25-65 	20-60 	25-35 	4-12

Table H.--Engineering Index Properties--Continued

 Map symbol	Depth	 USDA texture	Classif	icati	on	_i	ments	Pe	ercentag sieve n	-	-	 Liquid	
and soil name 		 	 Unified	 A	ASHTO	>10 inches	3-10 inches		10	40	200	limit 	ticity index
	— In	I	 	-		 Pct	 Pct	 	 			Pct	
 Lily 		Clay loam, sandy clay	 ML, SM CL, ML, SC, SM	 A-2, A-4,		 					 25-75 40-80 		 NP-7 3-15
	19-39		 CL, GC, ML, SM	 A-2,	A-4, A-	 	 5-20 	 65-95 	 60-90 	 50-85 	 20-75 	0-35	 NP-15
	39-43	graverry roam Unweathered bedrock	 				 						
Other Soils		 	 					 					
SeB: Sewell	0-7		 GC-GM, GM, SC-SM, SM	 A-1,	A-2		 30-55	 55-70	 50-65	 35-50	110-25	 15-25	 NP-7
		Very channery	GC-GM, GM, GP-GM 	A-1,	A-2	 	5-30 	30-50 	25-45 	15-35 	10-20	15-25 	NP-7
Wet Minesoil			 										
SrF: Sewell	7-65	 Very channery	 GC-GM, GM, SC-SM, SM GC-GM, GM, GP-GM	 A-1, A-1,		 	İ	İ	İ	i	i	 15-25 15-25 	İ
		extremely channery sandy loam	 	 				 		 		 	
Other Soils			 										
Rock Outcrop	0-60	 Bedrock 	 									0-14	
Ud: Udorthents		 	 	 		 	 	 	 	 	 	 	
Ur: Urban Land	0-6	 Loam 	 	 		 	 	 	 	 	 	0-14	

Table H.--Engineering Index Properties--Continued

	<u> </u>	<u> </u>	Classi	fication	Fragi	ments		rcentag	Ι	Ī _		
Map symbol and soil name	Depth	USDA texture 	<u> </u>	1	1 >10	3-10	:	sieve n	umber		Liquid limit	
and soll name	 		 Unified	AASHTO	linches		4	10	40	200		index
	 In	 	 		Pct	Pct	 	 		 	Pct	
Chavies	 0-6 		 CL-ML, ML, SC-SM, SM	 A-4	 0	 0 	 85-100 	 75-100 	 40-90	 40-75	0-25	 NP-5
	ĺ	Fine sandy loam, silt	ML, SM	A-4	0	0	 85-100 	 75-100 	 65-100 	45-85 	0-35	NP-8
	42-65	loam, loam Fine sandy loam, gravelly fine sandy loam, loam		A-1-b, A-2, A-4		 0-5 	 70-100 	 60-95 	 40-85 	 20-75 	 0-25 	 NP-5
Other Soils	 						 	 				
Holly	 											
W: Water	 	 	 			 	 	 	 	 		
Ye:	' 	 	' 			 	' 	' 	 	İ		,
Yeager	I 0-8	 Fine sandy loam	SC-SM, SM	A-2-4, A-4	1 0	1 0	195-100	 95-100	1 160-90	120-45	1 0-25	 NP-5
-	8-57 	Stratified loamy fine sand	SM, SP-SM	A-2-4, A-3	0	0	95-100	75-100 	55-80 	5-35 	0-20	NP
			SM, SP-SM 	A-1, A-2-4, A-3	 	0-5 	 85-100 	40-100 	40-80 	5-35 	0-20	NP
Holly	 	 	 			 	 	 	 	 		
		l	l	_	.i	İ	İ	İ	İ	İ	.i	İ